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 TITLE: High polymerization degree polyesters
 INVENTOR(S): Shima, Takeo; Urasaki, Takanori; Kurusu, Fukashi
 PATENT ASSIGNEE(S): Teijin Ltd.
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 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 48007272	B4	19730303	JP 1968-72258	19681004 ←
AB	The d.p. of poly(ethylene terephthalate) (I) [25038-59-9] is increased by polymerization in the presence of 0.001-0.3 mole % (based on acid) Sb compound and a specified amount of diaryl carbonate. Thus, the transesterification product from 250 parts di-Me terephthalate and 166 parts ethylene glycol is heated with 0.06 part antimony trioxide [1309-64-4] and 0.06 part H ₃ PO ₃ 2.5 hr				

at 280.deg./<1 mm, combined with 1 part diphenyl carbonate [102-09-0], heated 30 min at <1 mm, combined with 12.5 parts glycol and 0.06 part Sb₂O₃, and heated 70 min in vacuo to give I, inherent viscosity 1.12.